

IN THE CLAIMS

Please add new claims 56-73, as indicated in the following list of pending claims. Claims 1 and 42-73 are pending.

Pending Claims

1. (Original) An intracorporeal site marker for marking a selected site within tissue of a patient's body, comprising:

(a) an ultrasound detectable body including boundaries having a high contrast in acoustical impedance when the marker is placed in tissue of the selected site, so as to efficiently reflect ultrasound during ultrasound imaging; and

(b) a body shape which is recognizably artificial when the marker is subject to ultrasound or X-ray imaging, so as to be readily distinguishable from biological features within the tissue site.

2-41 (Canceled)

42. (Previously Presented) A marker delivery system, comprising:

an elongated marker delivery tube which has a closed distal end, at least one slit in the closed distal end and an inner lumen extending to and in fluid communication with the at least one slit therein;

a piston slidably disposed within the inner lumen of the marker delivery tube; and

a plurality of biopsy site markers slidably disposed within the inner lumen of the marker delivery tube distal to the piston disposed therein.

43. (Previously Presented) The marker delivery system of Claim 42, further comprising an outer cannula configured to receive said elongated marker delivery device and direct the closed distal end thereof to a desired location.

44. (Previously Presented) A remotely detectable marker for marking a selected intracorporeal site within a patient, comprising a sintered, ultrasound detectable body which is formed at least in part of metallic material, which has boundaries with a high contrast in acoustical impedance when the marker is placed at an intracorporeal site to facilitate ultrasound detection; and which has a body shape which is recognizable as artificial.

45. (Previously Presented) The intracorporeal site marker of claim 44 wherein the body is remotely detectable by ultrasound or X-ray.

46. (Previously Presented) The intracorporeal site marker of claim 44 wherein the metallic material is selected from the group consisting of stainless steel, titanium, platinum, palladium and alloys thereof.

47. (Previously Presented) The intracorporeal site marker of claim 44 wherein the metallic material is titanium.

48. (Previously Presented) The intracorporeal site marker of claim 44 wherein the metallic material is 316 stainless steel.

49. (Previously Presented) The intracorporeal site marker of claim 44 wherein the body is cylindrical in shape.

50. (Previously Presented) The intracorporeal site marker of claim 47 wherein the cylindrical shape has a diameter of about 0.5 to about 5 mm and a length of at least one diameter.

51. (Previously Presented) The intracorporeal site marker of claim 48 wherein the cylindrical shape has a length of up to 10 diameters.

52. (Previously Presented) The intracorporeal site marker of claim 48 wherein the cylindrical shape has a length of about 5 to about 7 diameters.

53. (Previously Presented) The intracorporeal site marker of claim 48 wherein the cylindrically shaped body is a helically shaped coil.

54. (Previously Presented) The intracorporeal site marker of claim 44 wherein the body has a spherical shape.

55. (Previously Presented) The intracorporeal site marker of claim 54 wherein the spherically shaped body has a diameter of about 1 to about 4 mm.

56. (New) A remotely detectable marker for marking a selected intracorporeal site within a patient, comprising an ultrasound detectable body which is formed at least in part of titanium, which has boundaries with a high contrast in acoustical impedance when the marker is placed at an intracorporeal site to facilitate ultrasound detection; and which has a body shape which is recognizable as artificial.

57. (New) The intracorporeal site marker of claim 56 wherein the body is remotely detectable by ultrasound or X-ray.

58. (New) The intracorporeal site marker of claim 56 wherein the ultrasound detectable body which is formed at least in part of sintered titanium.

59. (New) The intracorporeal site marker of claim 58 wherein the ultrasound detectable, sintered titanium body is porous.

60 (New) A remotely detectable marker for marking a selected intracorporeal site within a patient, comprising an ultrasound detectable body which is formed at least in part of porous sintered titanium, which has boundaries with a high contrast in acoustical impedance when the marker is placed at an intracorporeal site to facilitate ultrasound detection; and which has a body shape which is recognizable as artificial.

61. (New) An intracorporeal marker delivery system, comprising:

- a. an elongated delivery tube which has a discharge opening in a distal portion thereof, which has an inner lumen extending to and in fluid communication with the discharge opening; and
- b. at least one biopsy site marker slidably disposed within the inner lumen of the delivery tube comprising a sintered, ultrasound detectable body which is formed at least in part of metallic material, which has boundaries with a high contrast in acoustical impedance when the marker is placed at an intracorporeal site to facilitate ultrasound detection; and which has a body shape which is recognizable as artificial.

62. (New) The intracorporeal marker delivery system of claim 61 wherein the ultrasound detectable body is remotely detectable by X-ray.

63. (New) The intracorporeal marker delivery system of claim 61 wherein the metallic material is selected from the group consisting of stainless steel, titanium, platinum, palladium and alloys thereof.

64. (New) The intracorporeal marker delivery system of claim 61 wherein the metallic material is titanium.

65. (New) The intracorporeal marker delivery system of claim 61 wherein the metallic material is 316 stainless steel.

66. (New) The intracorporeal marker delivery system of claim 61 wherein the body is cylindrical in shape.

67. (New) The intracorporeal marker delivery system of claim 66 wherein the cylindrical shape has a diameter of about 0.5 to about 5 mm and a length of at least one diameter.

68. (New) The intracorporeal marker delivery system of claim 66 wherein the cylindrical shape has a length of up to 10 diameters.

69. (New) The intracorporeal marker delivery system of claim 66 wherein the cylindrical shape has a length of about 5 to about 7 diameters.

70. (New) The intracorporeal marker delivery system of claim 66 wherein the cylindrically shaped body is a helically shaped coil.

71. (New) The intracorporeal marker delivery system of claim 61 wherein the body has a spherical shape.

72. (New) The intracorporeal site marker of claim 71 wherein the spherically shaped body has a diameter of about 1 to about 4 mm.

73. (New) An intracorporeal marker delivery system, comprising:

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- a. an elongated delivery tube which has a discharge opening in a distal portion thereof, which has an inner lumen extending to and in fluid communication with the discharge opening; and
- b. at least one biopsy site marker slidably disposed within the inner lumen of the delivery tube comprising a sintered, porous, ultrasound detectable body which is formed at least in part of titanium, which has boundaries with a high contrast in acoustical impedance when the marker is placed at an intracorporeal site to facilitate ultrasound detection; and which has a body shape which is recognizable as artificial.

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